

CLAIMS

What is claim is

1. An article of manufacture comprising:

 a computer usable medium having computer readable program code means embodied therein for renewing a firmware having, the computer readable program code means in said article of manufacture comprising;

 computer readable program code means for causing a second firmware replacing in stead of a first installed firmware into a memory of said computer, said computer readable program code means in said article of manufacture comprising;

 computer readable program code means for causing a computer to effect said computer memory being divided as five portions;

 computer readable program code means for causing a computer to effect, with respect to said second firmware replacing in stead of a first installed firmware, an initial program and to store into a first portion of the computer memory;

 computer readable program code means for causing the computer to remove said first firmware and then store said second firmware in a second portion of the computer memory;

 computer readable program code means for causing the computer to backup said second firmware into a third portion of the computer memory;

 computer readable program code means for causing the computer to store a firmware parameter into a fourth portion of the computer memory; and

 computer readable program code means for causing the computer to store a firmware parameter into a five portion of the computer memory.

2. The method according to claim 1, wherein the application for said computer readable program code comprises a scanner.

3. A computer program product for use with a memory device, said computer program product comprising:

computer readable program code means for causing a second firmware replacing in stead of a first installed firmware into a memory of said computer, said computer readable program code means in said article of manufacture comprising;

computer readable program code means for causing a computer to effect said computer memory being divided as five portions;

computer readable program code means for causing a computer to effect, with respect to said second firmware replacing in stead of a first installed firmware, an initial program and to store into a first portion of the computer memory;

computer readable program code means for causing the computer to remove said first firmware and then store said second firmware in a second portion of the computer memory;

computer readable program code means for causing the computer to backup said second firmware into a third portion of the computer memory;

computer readable program code means causing the computer to store a checksum value into a fourth portion of the computer memory; and

computer readable program code means causing the computer to store a checksum value into a fifth portion of the computer memory.

4. The method according to claim 3, wherein the application for said computer readable program code comprises a scanner.

5. A computer program product for use with a memory device, said computer program product comprising:

a computer usable medium having computer readable program

code means embodied in said medium for causing a second firmware replacing in stead of a first installed firmware, an initial firmware program and to store into a first portion of the computer memory comprising:

computer readable zero program code means for determining if said memory is divided as five portions;

computer readable first program code means for determining if an initial program being formed;

computer readable second program code means for determining if a first firmware being removed;

computer readable third program code means for determining if a second firmware being stored;

computer readable fourth program if a second firmware being backup;

computer readable fifth program if a second firmware being stored; and

computer readable sixth program if a second firmware being stored.

6. The method according to claim 5, wherein the application for said computer readable program code comprises a scanner.

7. An article of manufacture for use in a computer system having a operating system and a memory device for removing a second firmware replacing in stead of a first installed firmware, an initial firmware program and to store into a first portion of the computer memory comprising:

said article of manufacture comprising a computer usable medium having computer readable program code means embodied in said medium, including:

computer readable program code first means embodied in said computer usable medium for causing a second firmware replacing in stead of a first installed firmware, an initial firmware program and to store into a first portion of the computer memory comprising:

computer readable zero program code means for determining

if said memory is divided as five portions;

computer readable first program code means for determining if an initial program being formed;

computer readable second program code means for determining if a first firmware being removed;

computer readable third program code means for determining if a second firmware being stored;

computer readable fourth program if a second firmware being backup;

computer readable fifth program if a firmware being stored;
and

computer readable sixth program if a firmware being stored.

8. The method according to claim 7, wherein the application for said computer readable program code comprises a scanner.

9. A program storage device by a machine, tangibly embodying said program executable by said machine to perform method steps for operating a firmware, comprising the steps of:

dividing a memory of said machine as five portions which being able to provide space for storing a plurality of computer readable program;

sequentially installing an initial program into a first portion of said memory of said machine and as a computer readable fixed program;

removing a first firmware from said memory of said machine;

installing a second firmware into a second portion of memory of said machine;

backing up said second firmware into a third portion of said memory of said machine;

installing a plurality of parameter of said second firmware into a fourth portion of memory of said machine; and

installing a plurality of backup parameter of said second firmware into a five portion of memory of said machine.

10. The method according to claim 9, wherein the application for said firmware comprises a scanner.